

Greater New York Academy Biology Syllabus

Teacher: Mr. J. Patterson

Room: # 5

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Office hours: Tuesday & Thursday after school and by appointment.

Motto: I can do all things...

Quote: The Universe provides abundantly when you are in a state of gratefulness.

COURSE DESCRIPTION: Biology is the study of life and its creator. This laboratory course is based on the interaction of living and non-living conditions. Emphasis is placed on the scientific method, controlled experiments, logic, and theory. Scientific laws, theories, and concepts are stressed during the study of the major phyla.

TEXTBOOK AND STUDY GUIDE: Biology, Living Systems

CLASS MATERIALS: Textbook, notebook, Pens (only black or blue ink) and pencils.

COURSE GOALS

The biology course will promote the following:

- recognition of the role of God as Creator, Master Designer, and Sustainer of all life.
- development of an appreciation for both the exquisite beauty and complexity created for us by a generous God.
- respect for the earth's resources and recognition of the individual's role in the wise and ethical stewardship of resources.
- understanding the classification system of organisms.
- understanding of the interrelationship between structure and function in cells, tissues, organs, and systems.
- recognition of the molecular basis of structure and function.
- understanding of the interaction of living organisms and the environment.
- understanding the principles of heredity and genetics.
- recognition of the factors that influence population growth, stability and decline.

- application of the mathematics necessary for understanding the quantitative aspects of biology.

Course Outline :

Semester 1

- Unity and Diversity among Living Things
- Maintenance in Living Things
- **Mid -Semester Exam**
- Human Physiology
- Reproduction and Development
- **Comprehensive Final Exam**

Semester 11

- Transmission of Traits
- Biochemistry
- **Mid-Semester Exam**
- Modern Genetics
- Ecology
- **Comprehensive Final Exam**

Grading Policy:

Your semester grade is divided in these areas:

Tests	30%
Quiz	20%
Class work	30%
Homework	20%

The Final letter grade will be determined by the following criteria:

93-100=A	79-82=B-	66-68=D+
89-92= A-	76-78=C+	63-65=D
86-88=B+	73-75=C	Below 63=F
83-85=B	69-72=C-	

The final semester examination is 20% of the overall grade.

Journal Reports:

Each student must hand in one journal report every two weeks. Every report must come from a journal article based on the subjects of this class and cannot have been printed longer than a year. Each report is to be 1 to 2 double spaced pages and should include both information from the article as well as the student's opinion of that information and its value to science.

NOTE: STUDENTS MUST TAKE THE BIOLOGY REGENTS IN JUNE!!!

Classroom regulations:

1. It is the student's responsibility to familiarize himself/herself with all school policies in the Greater New York Academy's bulletin and follow them.
2. No one may leave their seat without permission.
3. Students will not be allowed in the classroom if they are not properly attired.
4. No student may leave the room without permission.

Examinations:

1. It is the student's responsibility to request a make-up exam within the first two days of returning to school.
2. A doctor's note, a phone call from a parent/guardian or note from them is required to take the exam.
3. All make-up exams are given after school and will be in essay format.
4. All tests missed and not made up will receive a grade of zero.

Heading:

1. Must be at the top of paper
2. Must have first and last name
3. Must have the date
4. Must have the class period.
5. Must have page of assignment.

6. Must have the subject.

Class preparation and deportment:

1. Absolutely no eating or drinking anytime in class (gum, Mints, candy, juice etc.)
2. Leave work area around chair and desk clean.
3. Bring all books to class everyday.
4. Bring writing materials that write.
5. Carry a positive attitude.

Parent/Guardian

Please read the entire course description with your child, sign below and return to me. If you have any questions, please call me at (718) 639-1752 at school or e-mail me. Thank you very much. I look forward to having a successful and productive year with your child.

Parent/Guardian Signature _____
Date _____

Student Signature _____
Date _____

Remember:

I can do all things...

HAVE A WONDERFUL YEAR!!!